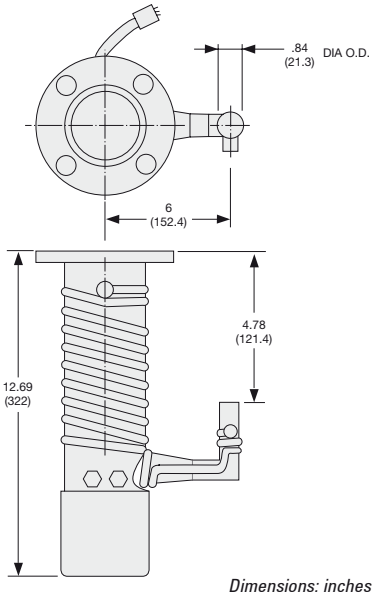
Agilent HS-2





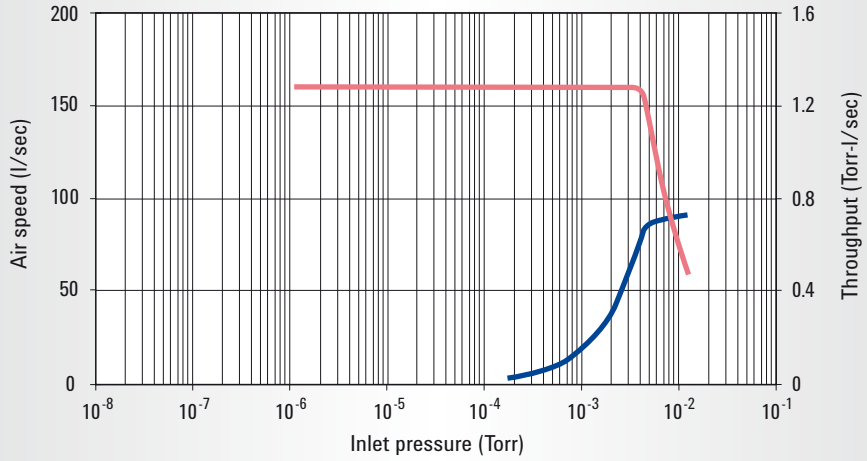
Dimensions: inches (millimeters)

Technical Specifications

Pumping speed, operating range **Pumping speed*, AVS 4.1** (1963)	160 l/s air, 200 l/s He and H_2 285 l/s air
Maximum throughput	0.60 T-l/s (0.80 mbar-l/s) in operating range, 0.70 T-l/s (0.93 mbar-l/s) @ 0.01 Torr
Operating range	3.7×10^{-3} to $< 5 \times 10^{-8}$ Torr, (4.9×10^{-3} to $< 6.5\ 10^{-8}$ mbar)
Maximum forepressure	No load: 0.55 Torr (0.71 mbar) Full load: 0.40 Torr (0.52 mbar)
Recommended backing pump	≥ 5 cfm (8.5 m^3/hr)
Backstreaming rate, standard cold cap**	$< 1 \times 10^{-3}$ mg/cm^2/min
Warmup time	15 minutes
Cooldown time	10 minutes (with quick cool coil)
Fluid charge	100 cc
Electrical requirements	1 ph, 50/60 Hz, 120/240 VAC
Pump power	450 watts
Cooling water requirements	0.1 gpm (20 l/hr) at 60-80 °F (15-26 °C)
Water connections	⅛ in. FPT

** For an explanation of pumping speed measurements, please see page 34.*
*** Refer to page 32 for a description of test methods.*

HS-2 Pumping Speed - Air/N_2



Ordering Information

Description	Wt. kg (lbs)	Part Number
		ASA
With standard cold cap, 120 V	20.0 (9.0)	82906301
With standard cold cap, 240 V	20.0 (9.0)	82906302

Description	Wt. kg (lbs)	Part Number
Water-cooled baffle with ASA flanges	10.0 (4.5)	F9453302
Santovac 5 diffusion pump fluid, 500 cc pump fluid, 500 cc	2.5 (1.1)	695405005
Installation and Operation Manual (download from www.agilent.com/chem/vacuum)		699901150

Description	Wt. kg (lbs)	Part Number
Replacement Parts (one heater required per pump)		
350 W, 120 V heater (HS2A)	1.0 (0.5)	647301100
350 W, 240 V heater (HS2A)	1.0 (0.5)	647301125
450 W, 120 V heater	1.0 (0.5)	647302125
450 W, 240 V heater	1.0 (0.5)	647302150
Heater block (one required per pump)	1.0 (0.5)	82920001
Heater platen (one required per pump)	1.0 (0.5)	82918301
Replacement o-ring kit, (5 Inlet flange o-rings (butyl 2-338))	1.0 (0.5)	K0377159

NOTE
- *Inlet flange: nominal 2 in. ASA flange with 6 in. OD*
- *Foreline flange: 0.84 in. diameter tube*
- *See page 31 for baffles*
- *See page 30 for santovac 5 diffusion pump fluid*